MD 170 is considered to run in a North-South direction.

PROPOSED SIGNS

16, 17

R 4-7
24" x 30"

8, 9, 10

NEW

TEMPORARY SIGN
W 3-3
(48" X 48")

Buckingham Place

D 3(2)
12" x 36"

SEE SIGNING AND PAVEMENT MARKING PLAN FOR INSTALLATION

PROPOSED SIGNS

11
Buckingham Place

14
Teleagraph RD

15
Buckingham Place

D-3(2)
(Var.x 16")

PROPOSED SIGNS

13

NORTH
MARYLAND
170

SHIELD ASSEMBLY
(48"X 75")

12

SOUTH
MARYLAND
170

SHIELD ASSEMBLY
(30"X 51")

PROPOSED SIGNALS

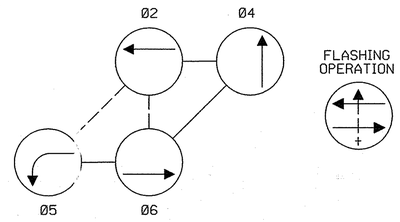
1 | 2 | 3-7

12"/8" | 12" | 12"

a.b

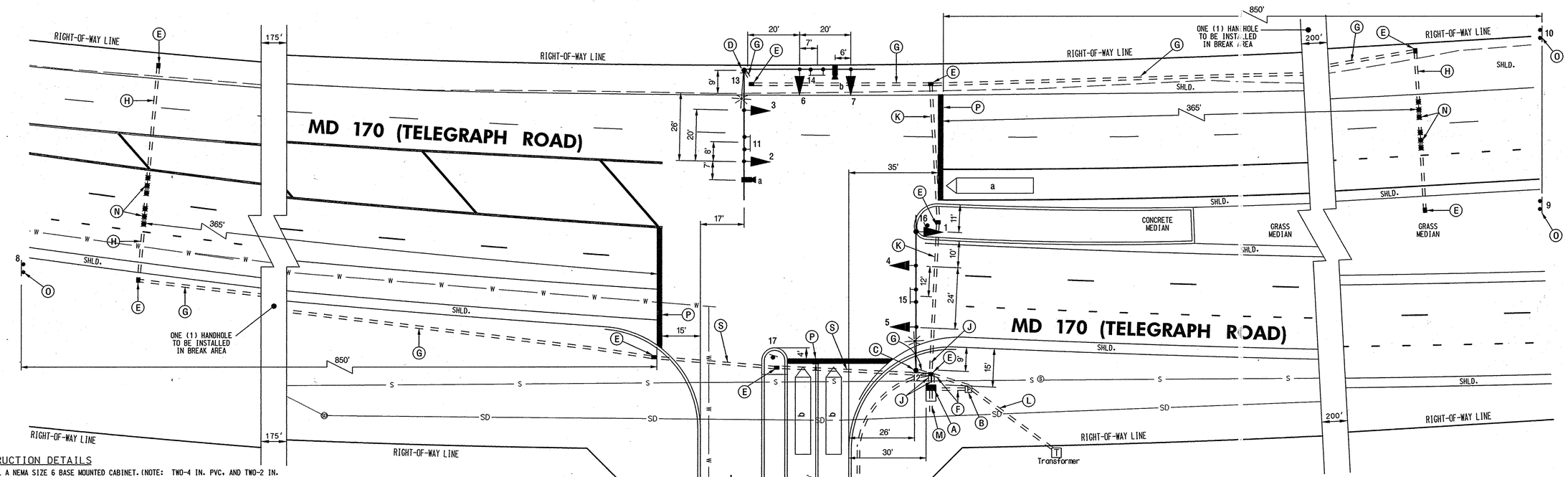
PROPOSED VIDEO DETECTION

NEMA PHASING



FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
B. INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE PER MD-SHA TYPICAL 807.05-01.
C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL MAST ARM POLE WITH A 38 FT. MAST ARM, VEHICLE SIGNAL HEADS, SIGNS, 10 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE (NOTE: ONE 3 IN. PVC CONDUIT BEND).
D. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL TWIN MAST ARM POLE WITH 50 FT. MAST ARMS, VEHICLE SIGNAL HEADS, SIGNS, 10 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE (NOTE: ONE 3 IN. PVC CONDUIT BEND), AFTER SELECTIVE TREE TRIMMING.
E. INSTALL HANDHOLE.
F. INSTALL 2 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
H. INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED.
J. INSTALL 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED.
L. INSTALL 4 IN. CONDUIT FOR AN UNDERGROUND ELECTRICAL SERVICE BY BGE. REF. WMS#3444656682
M. INSTALL 2 IN. CONDUIT FOR PHONE SERVICE BY VERIZON.
N. INSTALL (NON-INVASIVE) MIRCO-LOOP PROBE (SET OF 3).
O. INSTALL GROUND MOUNTED SIGN AS SHOWN.
P. INSTALL 24 IN. WIDE PAVEMENT MARKING - WHITE FOR STOP LINE.
Q. INSTALL MICROLOOP PROBES WITH 500 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
R. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE).
S. INSTALL 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED DURING CONSTRUCTION.

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

GENERAL NOTES

1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
4. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL MICROLOOP PROBE LEAD-IN CABLES AND VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS.
7. ALL UNUSED CABLE SHALL BE REMOVED.

The Traffic Group
The Traffic Group, Inc.
Suite H
9900 Franklin Square Drive
Baltimore, Maryland 21236
410-931-6600
1-800-583-8411
Fax 410-931-6601

BY: mmears

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD—SD— STORM DRAIN
G—G— GAS MAIN
W—W— WATER MAIN
S—S— SEWER MAIN
E—E— ELECTRIC CABLES
A—A— AERIAL CABLES
T—T— TELEPHONE CABLES
F—F— FIBER-OPTIC

APPROVALS

TEAM LEADER — 7-21-08
ASST. DIV. CHIEF — 7-21-08
DIVISION CHIEF — 7/21
OFFICE DIRECTOR

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 170 (Telegraph Road)
At Buckingham Place

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE July 16, 2008 CONTRACT NO. BW996M82

DESIGNED BY F. Brownley/M.A.M. COUNTY Anne Arundel
DRAWN BY F. Brownley LOGMILE 02017004.90
CHECKED BY TIMS NO. I-819
FAP NO. N/A TOD NO.

TS NO. 4665 | DRAWING — OF | SHEET NO. 1 OF 2

PLOTTED: Monday, July 21, 2008 AT 1:43 AM
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